

# Michael Kronovet

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## Education

**Carnegie Mellon University** . . . . . 2017-2020

GPA: 3.77/4.00

*Bachelors of Science in Statistics and Machine Learning*

*Minors in Computer Science and Robotics*

## Experience

**Carnegie Mellon Racing System Lead** . . . . . 2017-present

*Team of students who build a fully functional electric formula one race car from scratch every year.*

- Leading the design and manufacture of the car pedals system.
- Designing pedals in CAD and utilizing heavy machinery and welding to manufacture.
- Placed first in the 2018 Formula SAE Electric Vehicle Competition.

**Moneythink Group Mentor** . . . . . 2017-present

*Club engaging underprivileged students to assist with financial planning practices.*

- Leading mentoring sessions and devising lesson plans for students.

**RadPiper Radiation and Sensor Research Specialist** . . . . . 2017-2018

*Team creating autonomous pipe crawling robot used to detect radiation in nuclear plants.*

- Examined efficacy of various sensors, collected data from real radioactive samples, and modeled sensor data in Mathematica.

**Muon Scattering Tomography Developer** . . . . . 2016-2017

*Team with two other high school students inventing a cheaper way to pinpoint the trajectory of muons.*

- 3rd Place in Physics and Astronomy at Intel International Science and Engineering Fair.
- Created prototype detector using organic scintillators and SiPM arrays to triangulate muons.
- Earned a provisional patent.

## Personal Projects

### Shoutbid.me

*Dynamic website to improve the monetization capabilities of Youtuber content.*

- Developing backend with MongoDB and frontend with bootstrap and javascript.

### SideWalkMaster

*3D iphone game where player tries to avoid stepping on sidewalk cracks while dodging other obstacles.*

- Designing player model and environment in Blender and implementing game mechanics in Unity.

## Skills

**Programming Languages:** Python, C, R, Javascript

**Software:** CAD, Unity, Blender, Microsoft Excel (VBA and Macros)